

Fig. 1

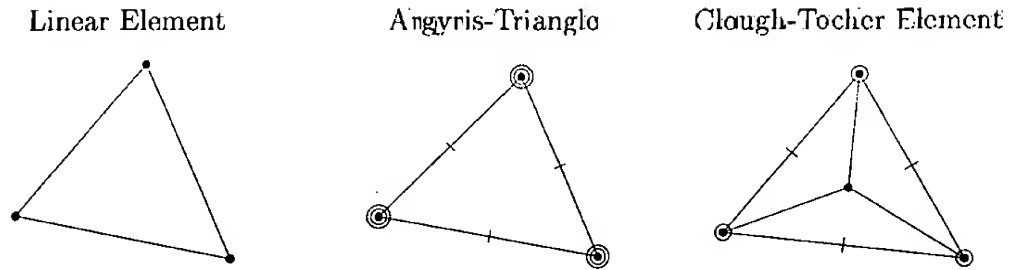
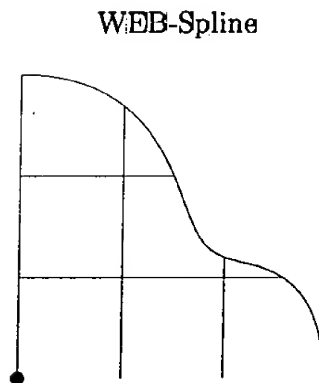


Fig. 2a  
Prior Art



| Type                  | Dimension | Degree | Smoothness | Parameters |
|-----------------------|-----------|--------|------------|------------|
| Linear element        | $d$       | 1      | 0          | $d + 1$    |
| Argyris triangle      | 2         | 5      | 1          | 21         |
| Clough-Tocher element | 2         | 3      | 1          | 12         |
| WEB-Spline            | $d$       | $n$    | $n - 1$    | 1          |

Fig. 2b

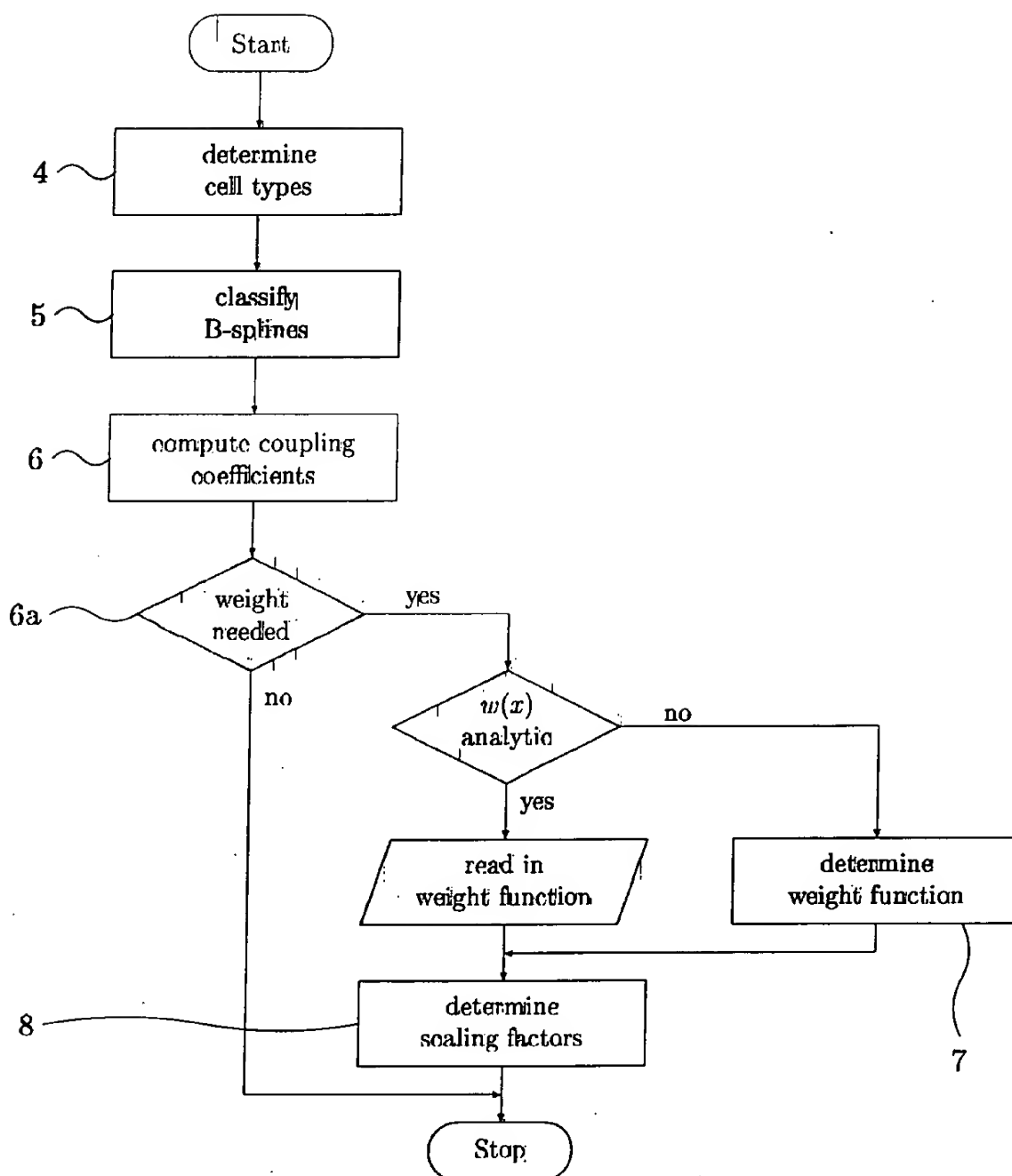


Fig. 3

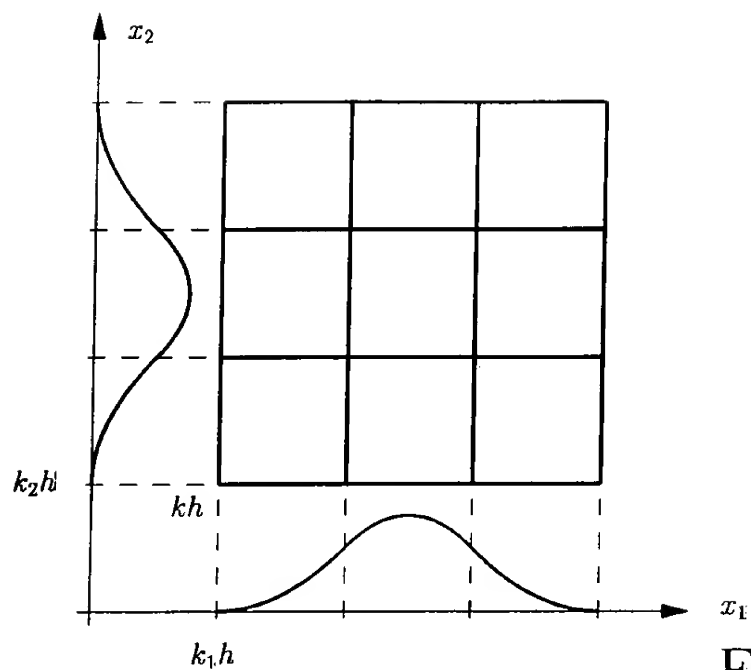


Fig. 4a

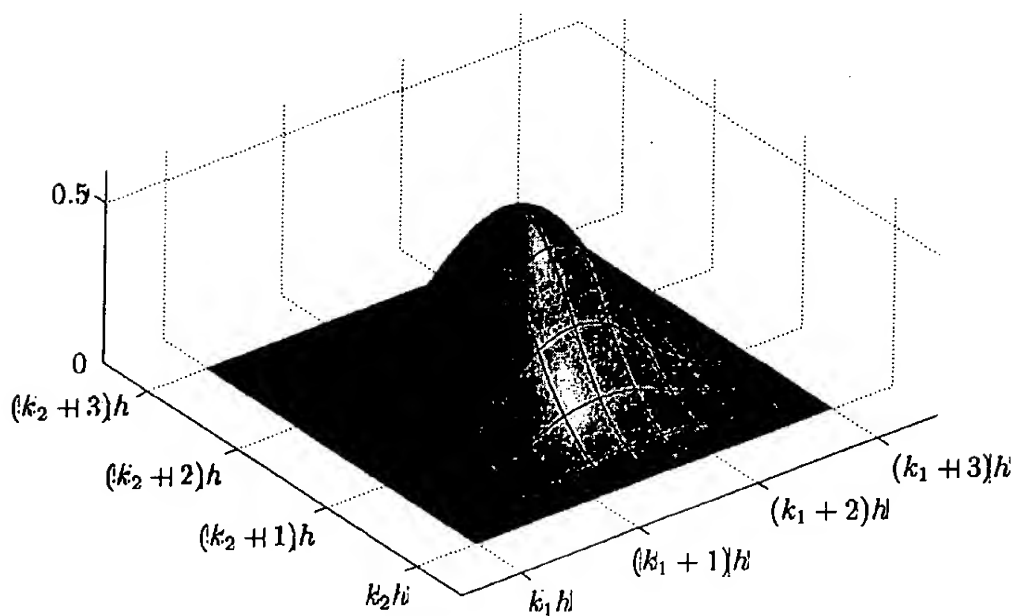


Fig. 4b

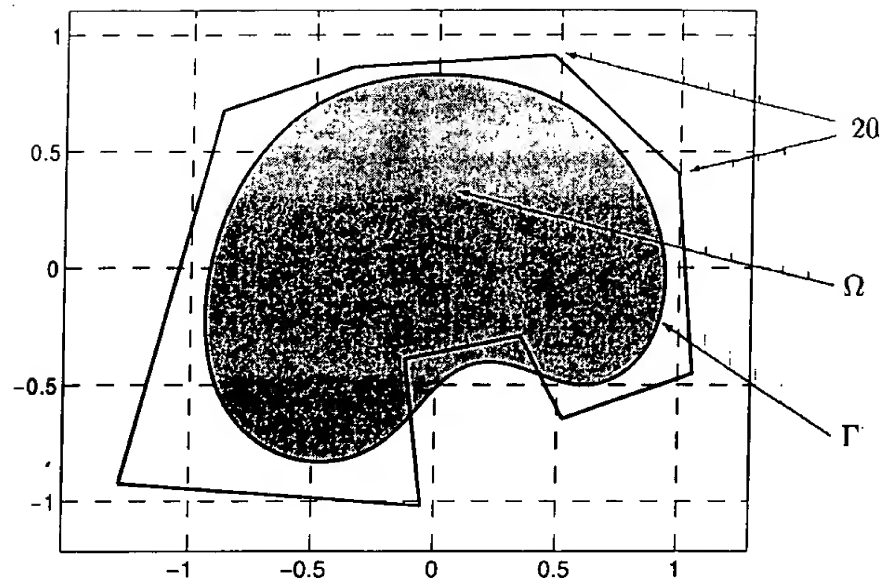


Fig. 5a

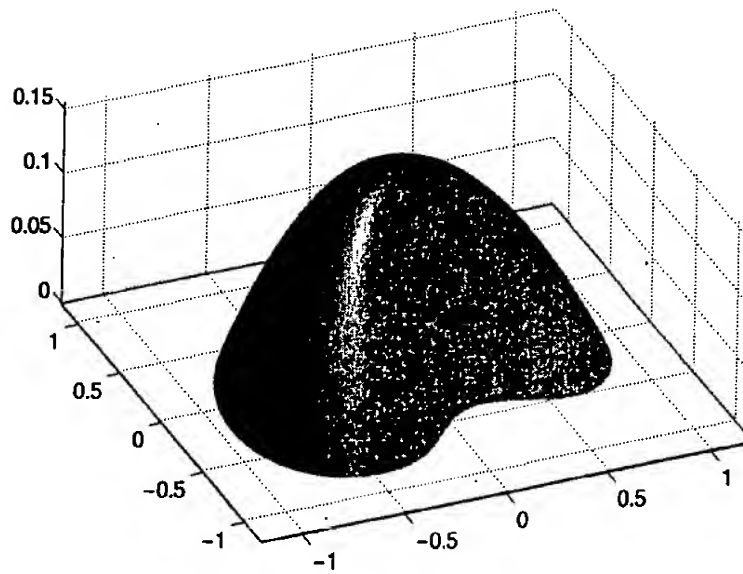


Fig. 5b

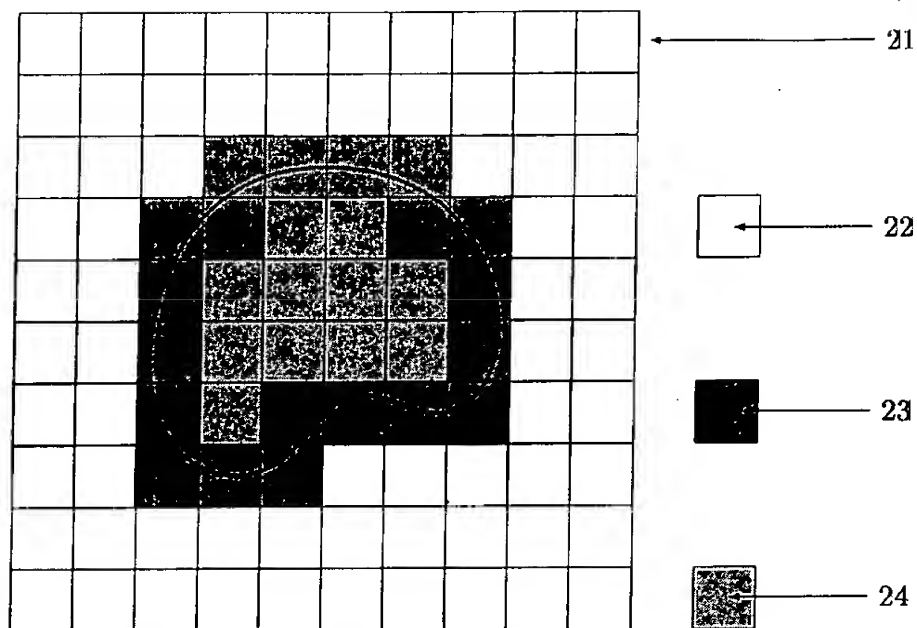


Fig. 6

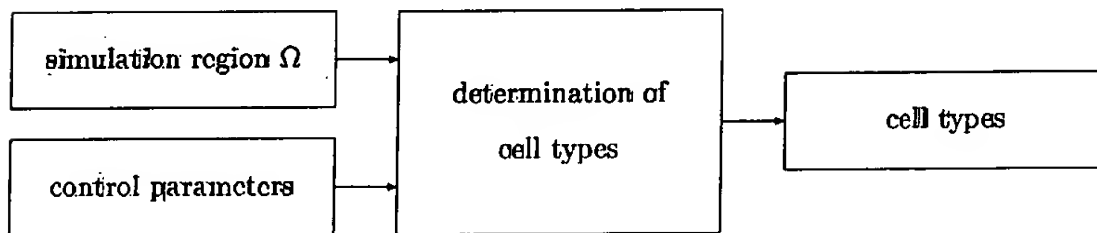


Fig. 7

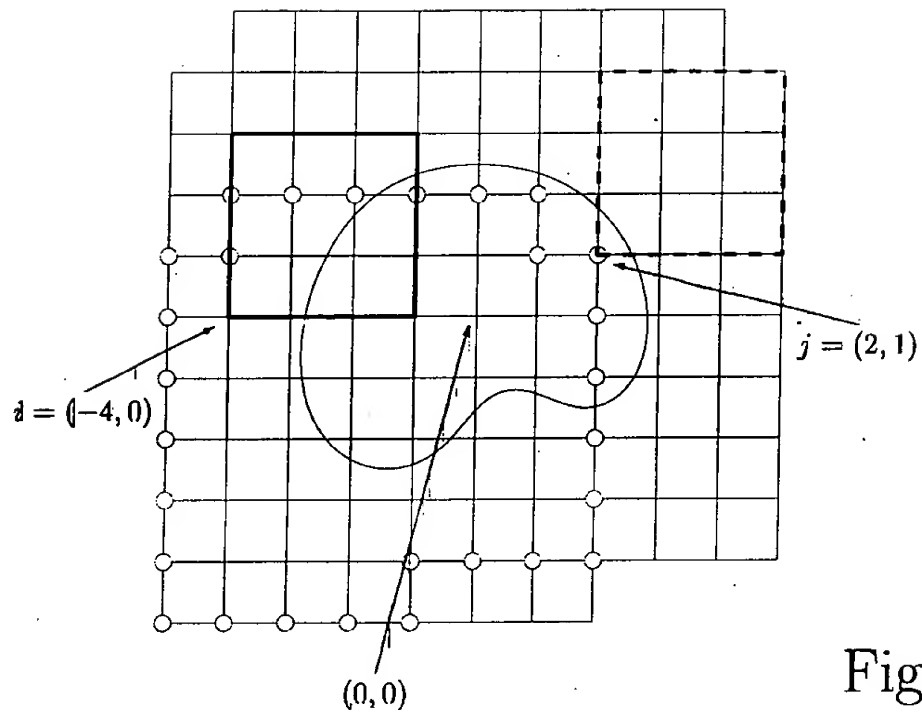


Fig. 8

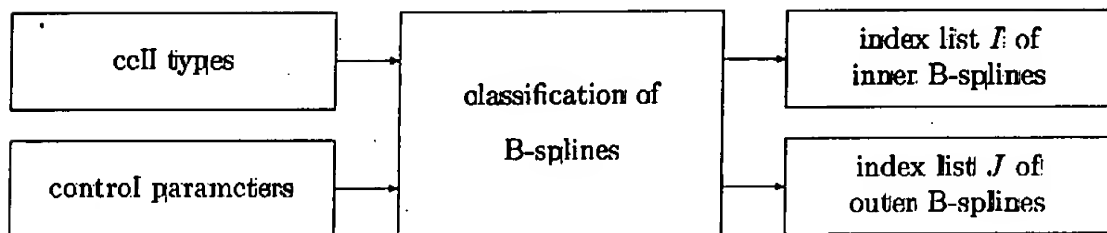


Fig. 9

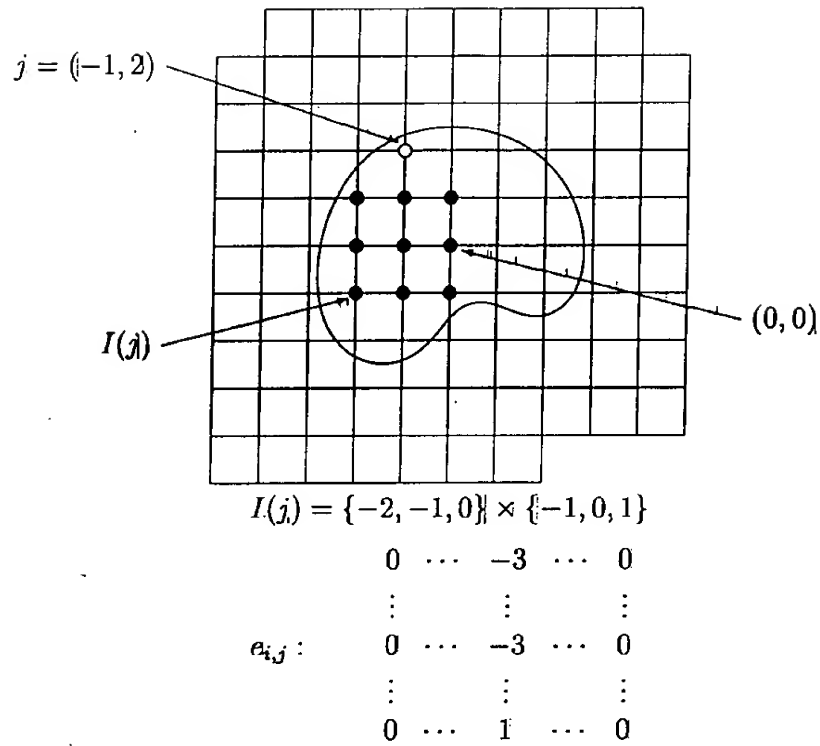


Fig. 10

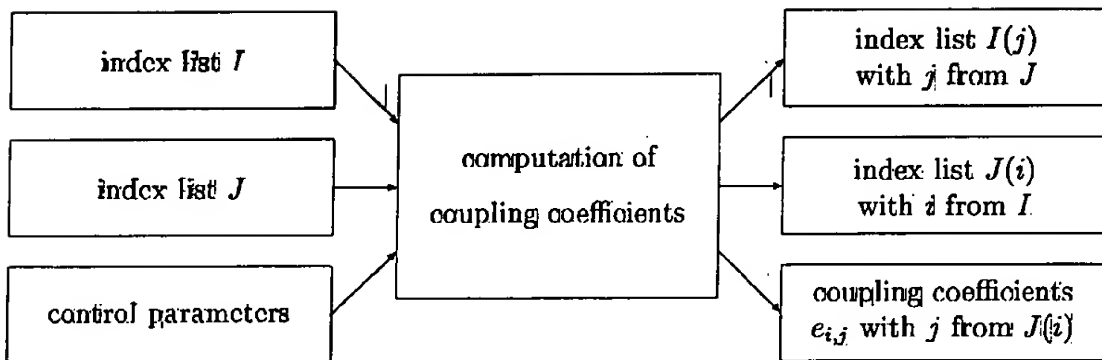


Fig. 11



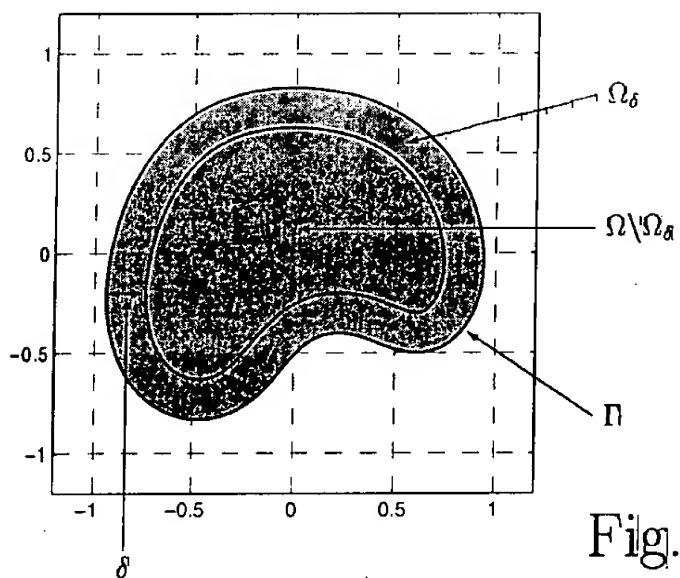


Fig. 12a

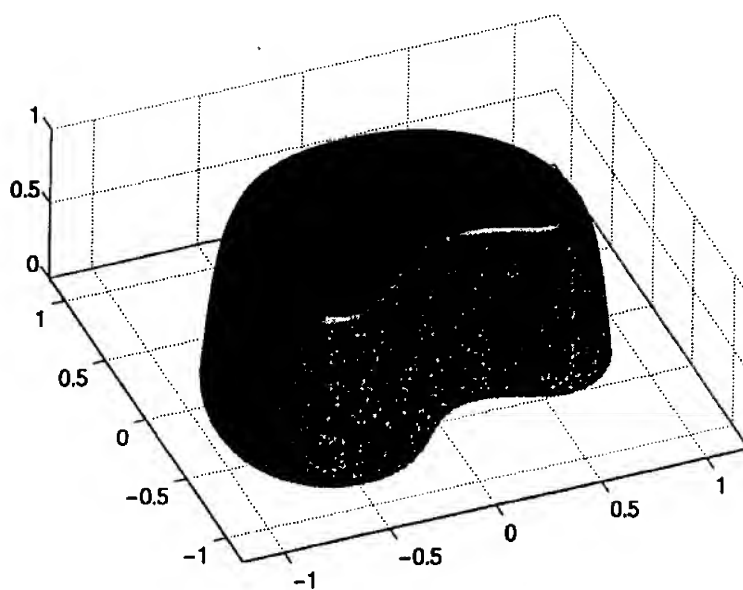
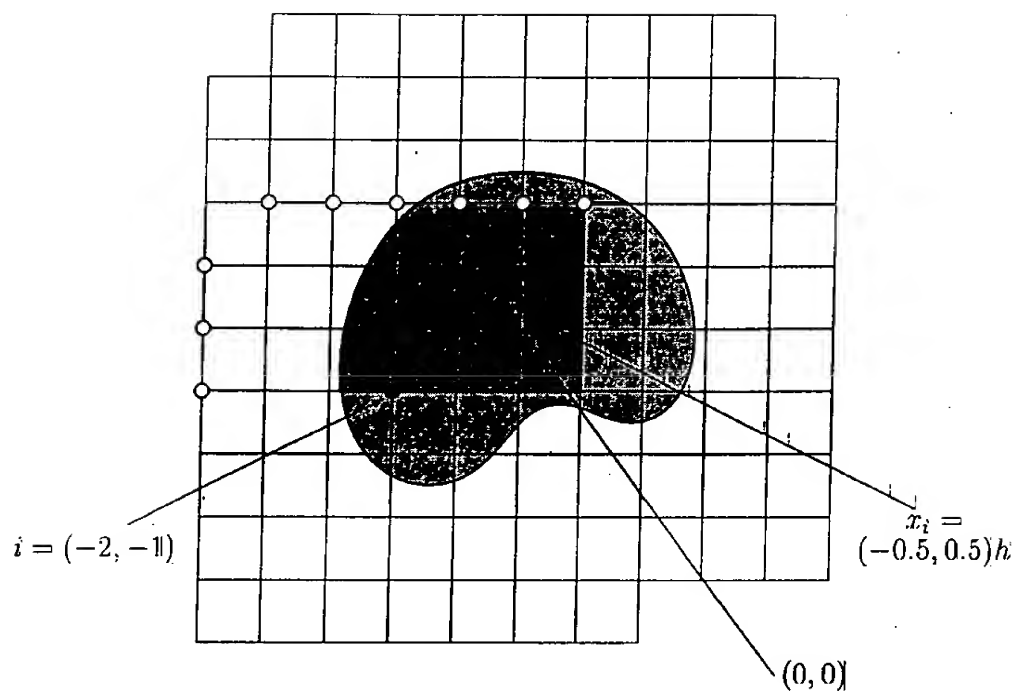


Fig. 12b



$$J(i) = \{(-5, -1), \dots, (-5, 1), (-4, 2), \dots, (1, 2)\}$$

$$c_{ij} : \begin{matrix} \cdot & \dots & -3 & \dots & 0 & \dots & 1 & \dots & 0 & \dots & 0 & \dots & 1 \\ \vdots & & & & & & & & & & & & \\ -3 & & & & & & & & & & & & \\ \vdots & & & & & & & & & & & & \\ 0 & & & & & & & & & & & & \\ \vdots & & & & & & & & & & & & \\ 1 & & & & & & & & & & & & \end{matrix}$$

Fig. 13

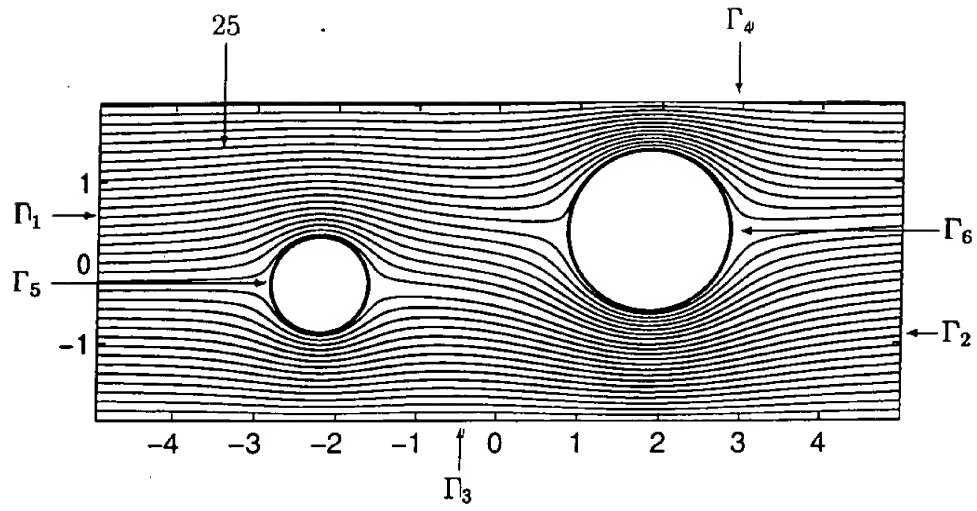


Fig. 14a

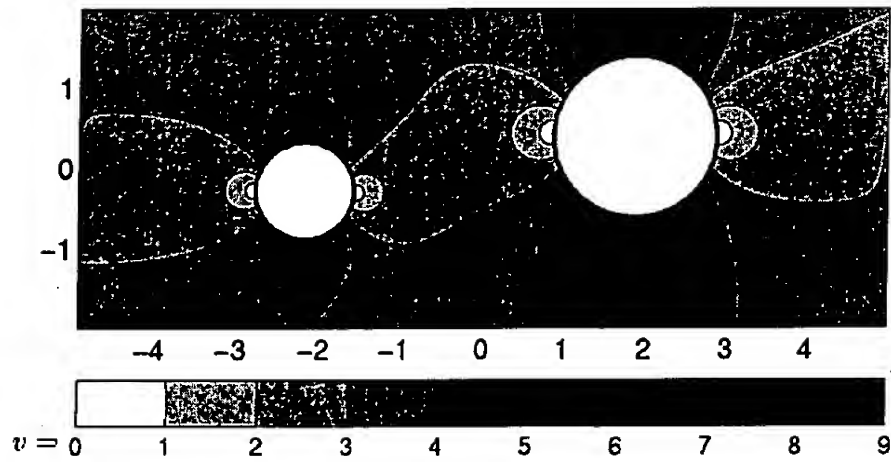


Fig. 14b

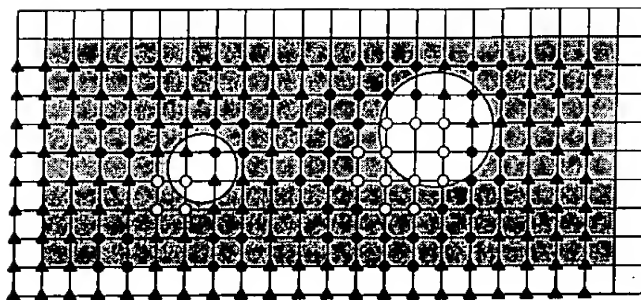


Fig. 15a

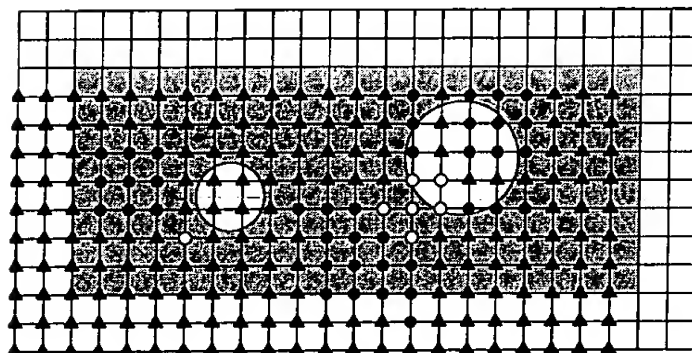


Fig. 15b

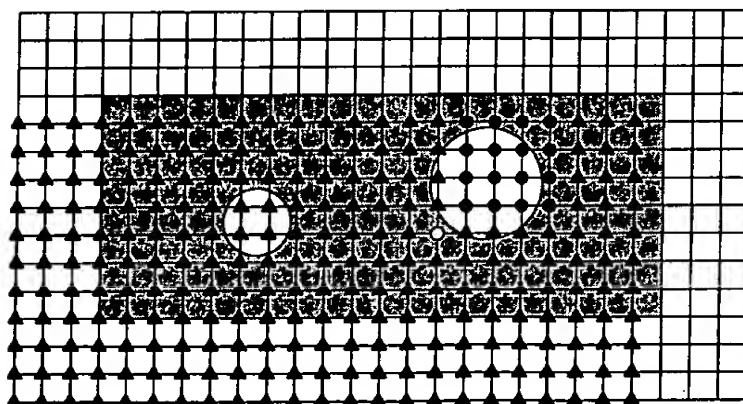


Fig. 15c

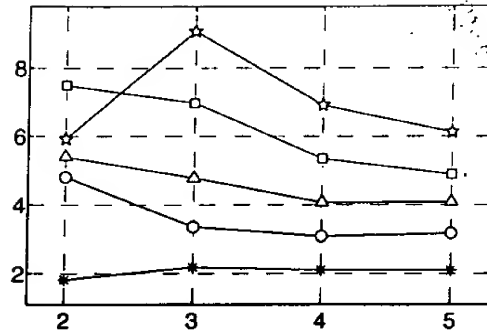
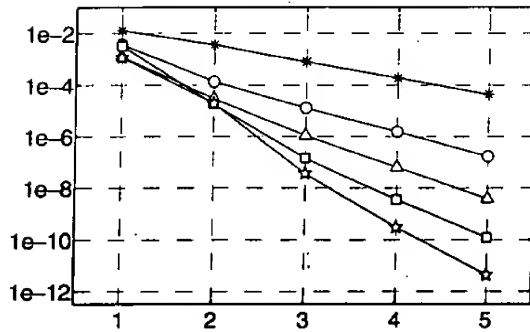


Fig. 16a

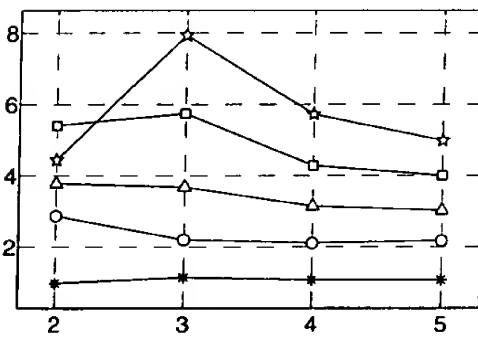
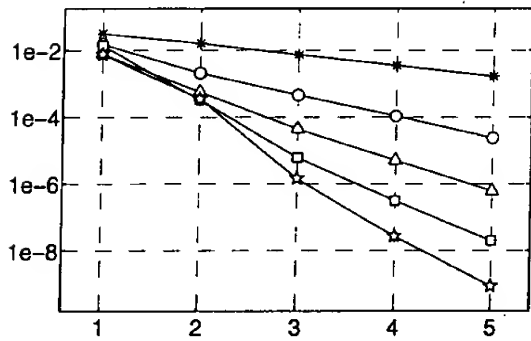


Fig. 16b

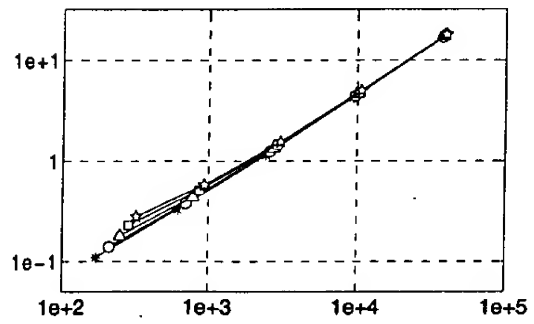
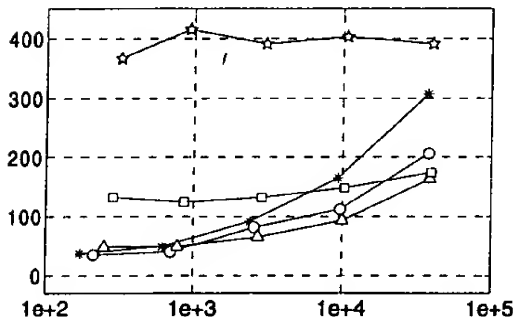


Fig. 16c

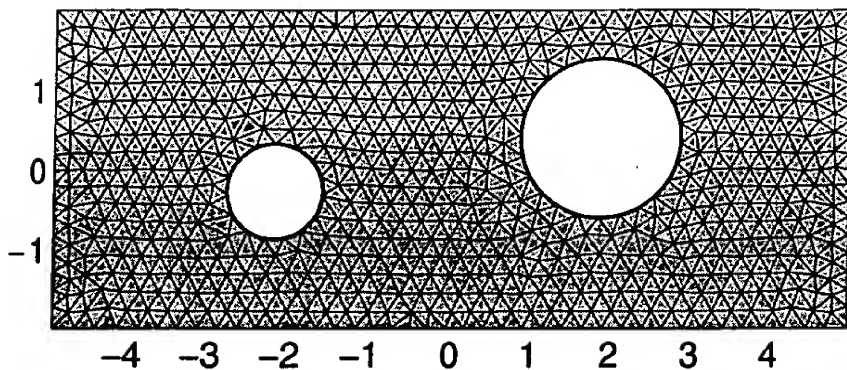


Fig. 17a

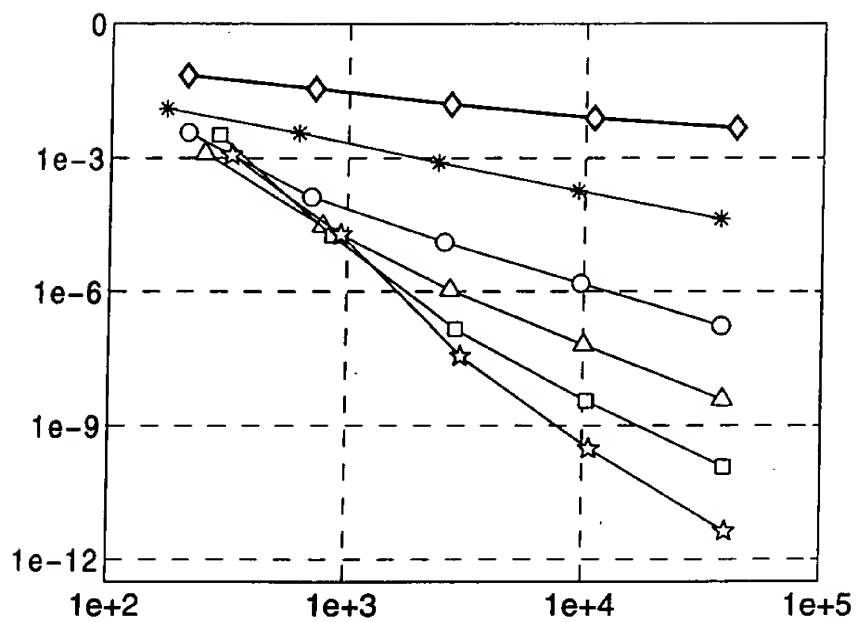


Fig. 17b

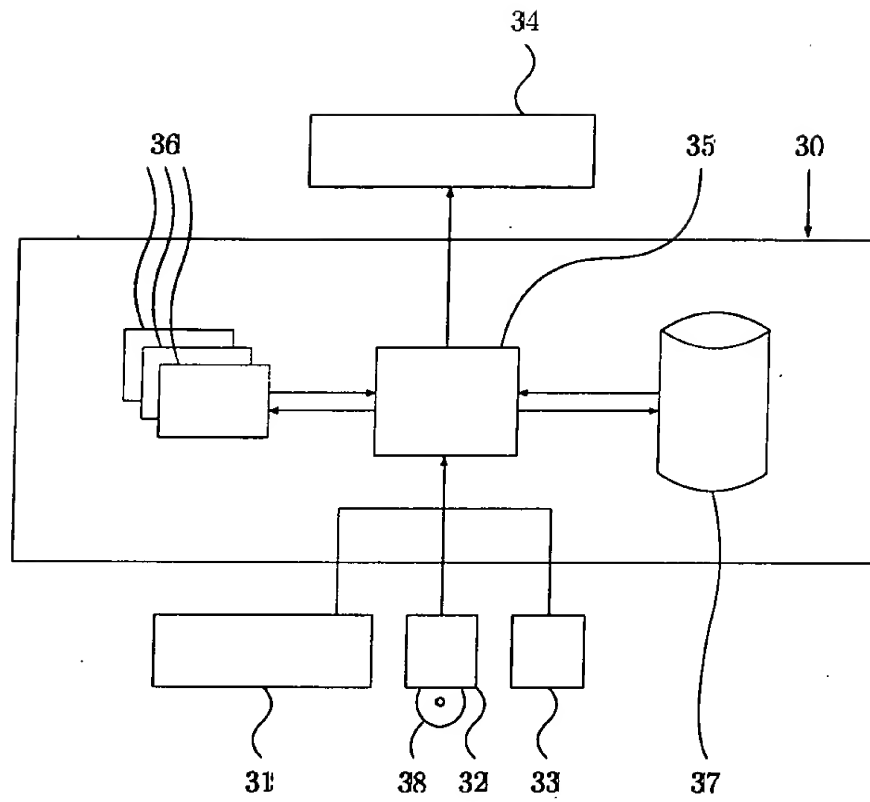


Fig. 18